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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/960,771	09/21/2001	David N. Pether	00-335 1496.00154	5402

24319 7590 09/23/2003

LSI LOGIC CORPORATION
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EXAMINER

NGUYEN, HAU H

ART UNIT	PAPER NUMBER
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2676

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DATE MAILED: 09/23/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/960,771

Applicant(s)

PETHER, DAVID N.

Examiner

Hau H Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 September 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claim 6 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Claim 6 recites the limitations "... perform conversion of one or more video data formats to graphics data," which is not found in the specification. In the specification, Applicant discloses the data stream can be in graphics or video data formats (page 6). No description of the conversion from video data formats to graphics data is found.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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4. Claims 1-3, 9-11, 13, and 18-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Zhang et al. (U.S. Patent No. 6,181,711).

Referring to claims 1-3, and 13, as shown in Fig. 4, Zhang et al. teach a method for transporting a compressed video and data bit stream comprising a plurality of modification circuits 404-408 coupled to received video streams parsed from a decoder and extractor 402 (col. 10, lines 20-24, and lines). The output of each of the modifications units 404, 406, 408 is coupled to the respective input of the encoder 410. The encoder 410 preferably performs variable length coding of all the bits, and then outputs the encoded stream on line 426 (a composite circuit).

Referring to claims 9-10, and 18 Zhang et al. also teach the modification circuits 514-518 performing scaling and filtering (col. 12, lines 16-64).

In regard to claims 11 and 19, Zhang et al. teach the outputs of the encoders 520, 522, 524 (Fig. 5) are combined by stream bit multiplexer 526 (col. 13, lines 1-5) (bitwise logical operations).

5. Claims 1, 4-5, 12-15, and 20 are rejected under 35 U.S.C. 102(e) as being anticipated by Porter (U.S. Patent No. 6,208,354).

Referring to claims 1, 4-5, 12-15, and 20, Porter teaches a method and apparatus for storing and displaying multiple graphical images in a mixed video and graphics display, wherein as shown in Fig. 1, a display overlay engine 30 is coupled to receive video data stream 16 and graphics data streams 28 to produce display out signal 35. As shown in Fig. 2, at step 120, Porter teaches the selected graphics image is blended with a portion of an additional display data stream to produce a portion of the display output stream. Thus in a system where the additional display data stream is a video data stream, the selected graphics image will be blended with the

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incoming video stream to produce the display output stream. The blending operation may include an alpha blending operation as described above with respect to FIG. 1. The blending of the selected graphics image with the additional display data stream causes the two streams to be merged to produce the display output signal (col. 7, lines 6-18).

6. Claims 1, 7-8, 13, 16-17 are rejected under 35 U.S.C. 102(e) as being anticipated by Moreton et al. (U.S. Patent No. 5,835,729).

Referring to claims 1, 7-8, 13, 16-17, Moreton et al. teach a method an arrangement to separate the interleaved color space components in one data stream with minimum CPU intervention, and an arrangement to interleave separate color space components data with minimum CPU intervention (col. 2, lines 20-26). As shown in Fig. 4, Moreton et al. teach data signal DIN(63:00) is held constant for one clock cycle in order to separate the interleaved luminance and chrominance component data of DIN(63:00) input signals into separate streams (col. 5, lines 42-45), and combined again to produce output stream Dout (63:00).

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hau H. Nguyen whose telephone number is: 703-305-4104. The examiner can normally be reached on MON-FRI from 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on 703-308-6829.

Any response to this action should be mailed to:

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Commissioner of Patents and Trademarks

Washington, D. C. 20231

or faxed to:

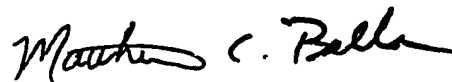
(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive,
Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding
should be directed to the Technology Center 2600 Customer Service Office whose
telephone number is (703) 306-0377.

H. Nguyen

09/12/2003



MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600